

We Claim:

1. A housing for a refrigerator, comprising:

an outer housing box having an inner wall and defining and surrounding an interior space; and

at least one shelf fitted in said interior space and defining subspaces, said shelf having a preformed core formed of a foam material fastened to said inner wall of said outer housing box, said preformed core having lateral flanks and means disposed on said lateral flanks for obtaining an effective sealing between said subspaces produced by said shelf.

2. The housing according to claim 1, wherein said preformed core has knobs on said lateral flanks, said knobs being deformed when said shelf is pushed into said interior space.

3. The housing according to claim 1, wherein said shelf has a sealing tape disposed on said lateral flanks of said preformed core.

4. The housing according to claim 1, wherein said inner wall of said outer housing box has a channel formed therein, and said shelf is pushed onto said channel.

5. The housing according to claim 4, wherein said channel is provided for securing said shelf to said inner wall of said outer housing box on both of said lateral flanks of said shelf.

6. The housing according to claim 4, wherein said channel secures said shelf to said inner wall of said outer housing box on both of said lateral flanks of said preformed core.

7. The housing according to claim 1, wherein:

said preformed core has an upper side, a front side, and a lower side; and

said shelf has at least one impervious covering panel disposed on at least one of said upper side, said front side, and said lower side of said preformed core.

8. The housing according to claim 7, wherein said impervious covering panel is held on said preformed core by a plug-in connection.

9. The housing according to claim 1, wherein said preformed core has a front side with at least one groove formed therein for accommodating heating devices.

10. The housing according to claim 1,

further comprising a fan; and

wherein said shelf has a lower side with a surface and at least one rib formed on said lower side, said rib surrounding said surface of said lower side, and below said surface said fan is disposed.

11. The housing according to claim 1, wherein said preformed core is formed from polystyrene foam.

12. The housing according to claim 7, wherein said impervious covering panel is held on said preformed core by a clamping connection.

13. The housing according to claim 1, wherein said inner wall of said outer housing box has a projection, and said shelf is pushed onto said projection.

14. The housing according to claim 13, wherein said projection is provided for securing said shelf to said inner wall of said outer housing box on both of said lateral flanks of said shelf.

15. The housing according to claim 13, wherein said projection secures said shelf on said inner wall of said outer housing box on both of said lateral flanks of said preformed core.

16. The housing according to claim 1, wherein said preformed core is formed of a solid foam material.